FIG. 1

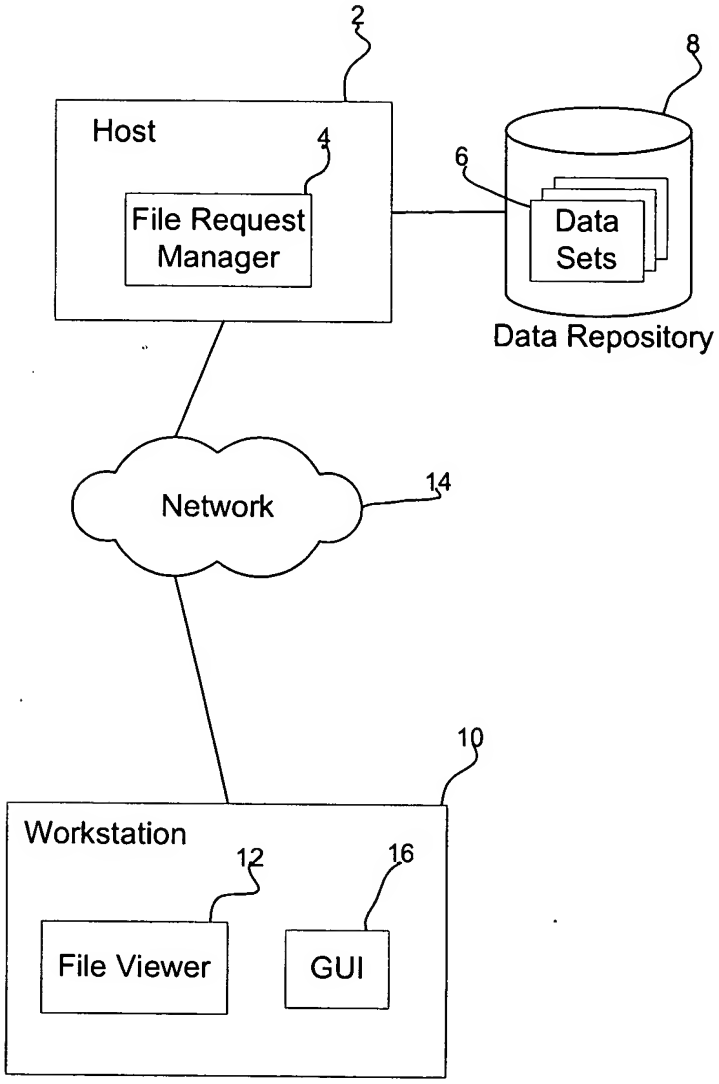

2
8
Host
4
6
File Request Manager
Data Sets
Data Repository
Network
14
10
Workstation
12
16
File Viewer
GUI

FIG. 2

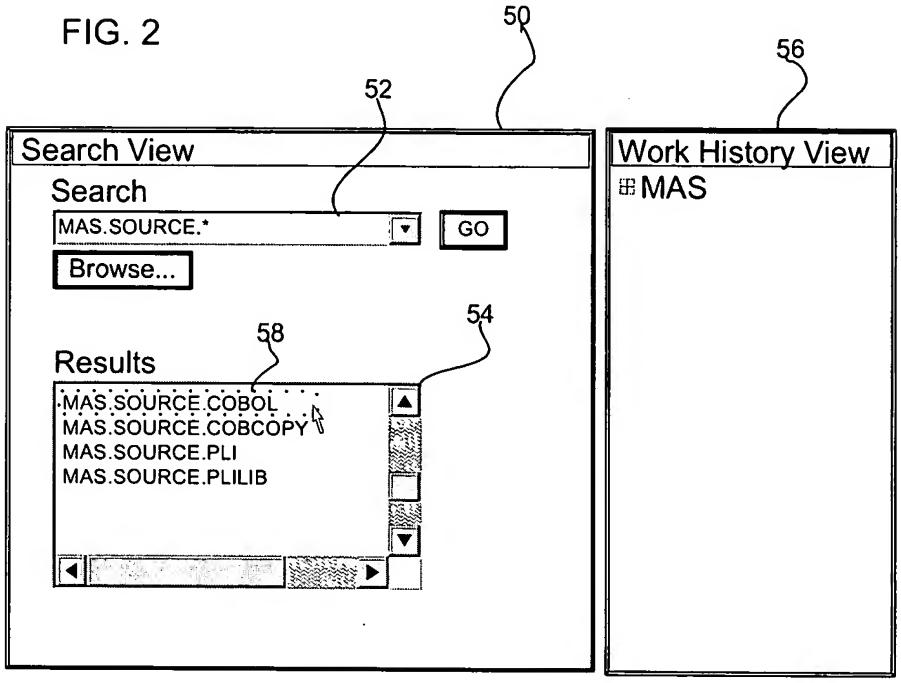

50
52
56
Search View
Search
MAS.SOURCE.*
GO
Browse...
58
54
Results
MAS.SOURCE.COBOL
MAS.SOURCE.COBCOPY
MAS.SOURCE.PLI
MAS.SOURCE.PLILIB
Work History View
MAS

FIG. 3

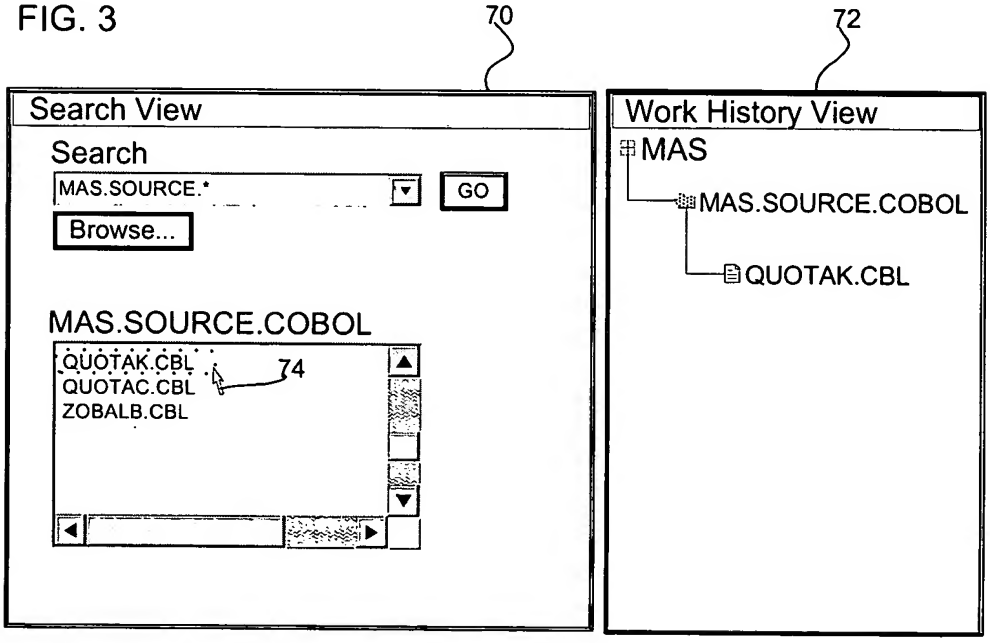

70
72
Search View
Search
MAS.SOURCE.*
GO
Browse...
MAS.SOURCE.COBOL
QUOTAK.CBL
74
QUOTAC.CBL
ZOBALB.CBL
Work History View
MAS
MAS.SOURCE.COBOL
QUOTAK.CBL

FIG. 4

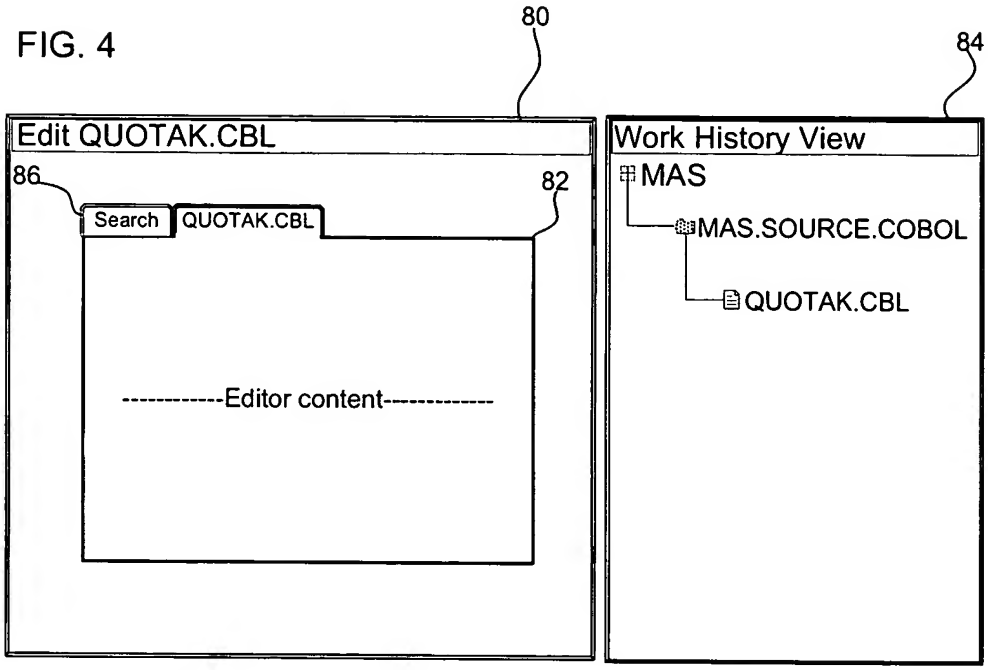

80
84
Edit QUOTAK.CBL
86
82
Search
QUOTAK.CBL
----------Editor content----------
Work History View
MAS
MAS.SOURCE.COBOL
QUOTAK.CBL

FIG. 5

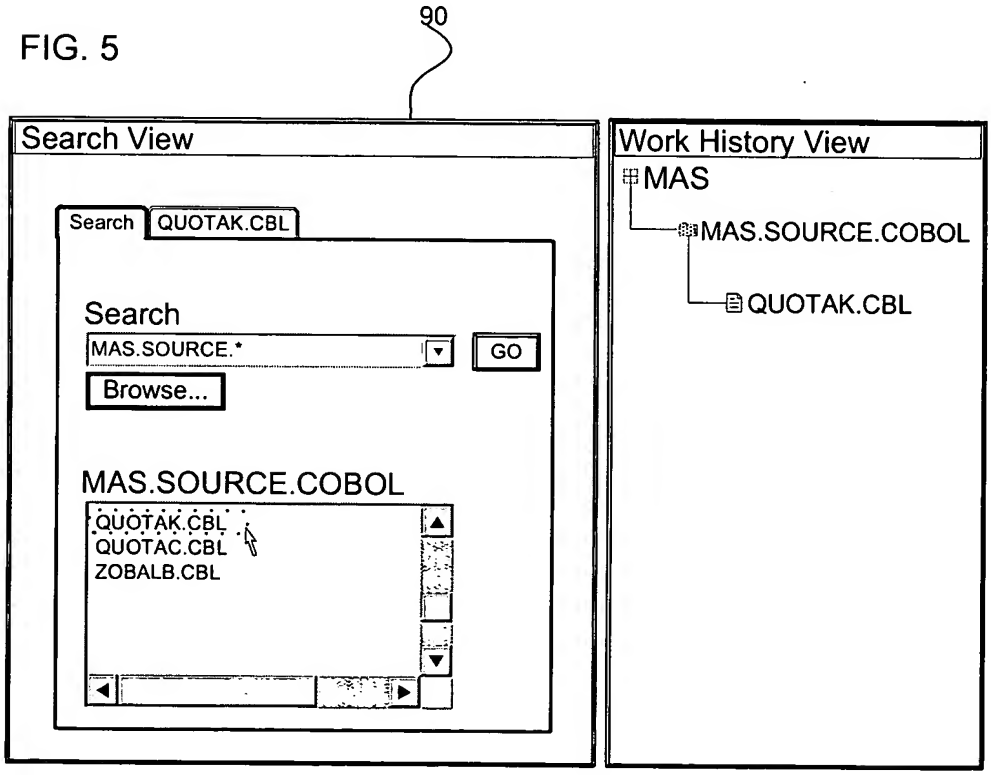

90
Search View
Search
QUOTAK.CBL
Search
MAS.SOURCE.*
GO
Browse...
MAS.SOURCE.COBOL
QUOTAK.CBL
QUOTAC.CBL
ZOBALB.CBL
Work History View
MAS
MAS.SOURCE.COBOL
QUOTAK.CBL

FIG. 6

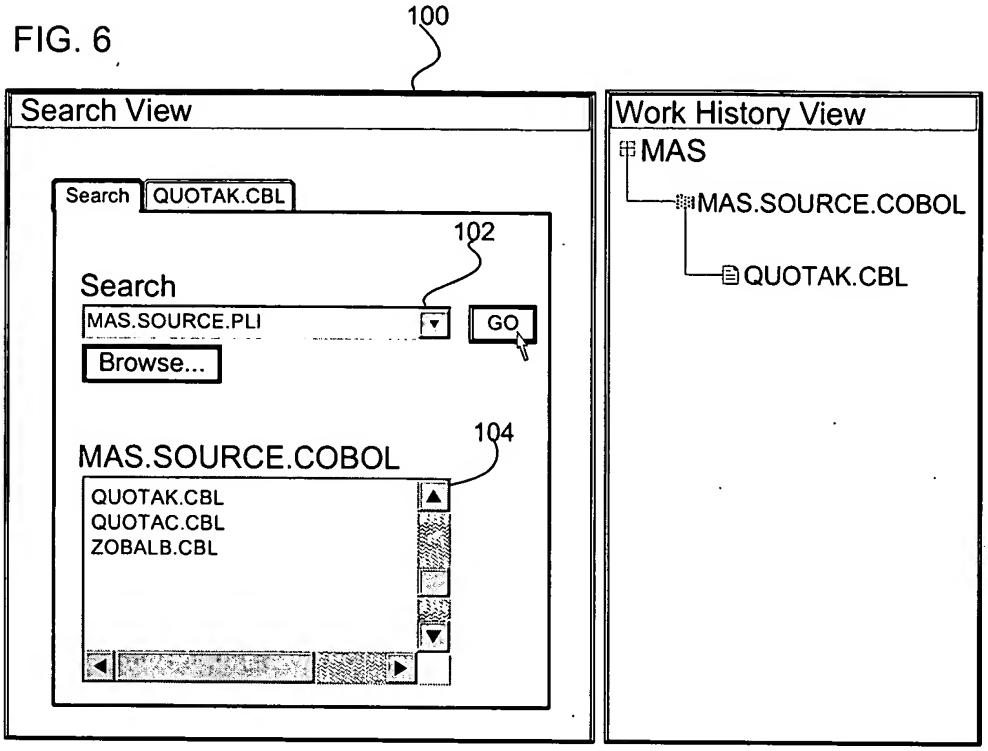

100
Search View
Search
QUOTAK.CBL
102
Search
MAS.SOURCE.PLI
GO
Browse...
104
MAS.SOURCE.COBOL
QUOTAK.CBL
QUOTAC.CBL
ZOBALB.CBL
Work History View
MAS
MAS.SOURCE.COBOL
QUOTAK.CBL

FIG. 7

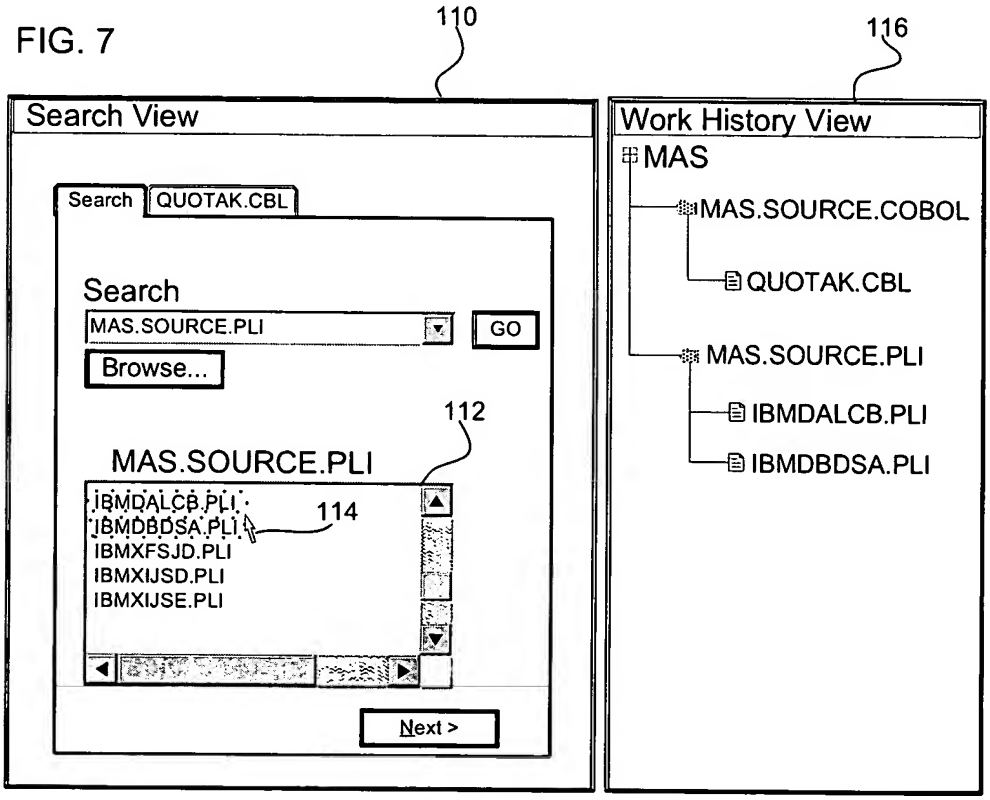
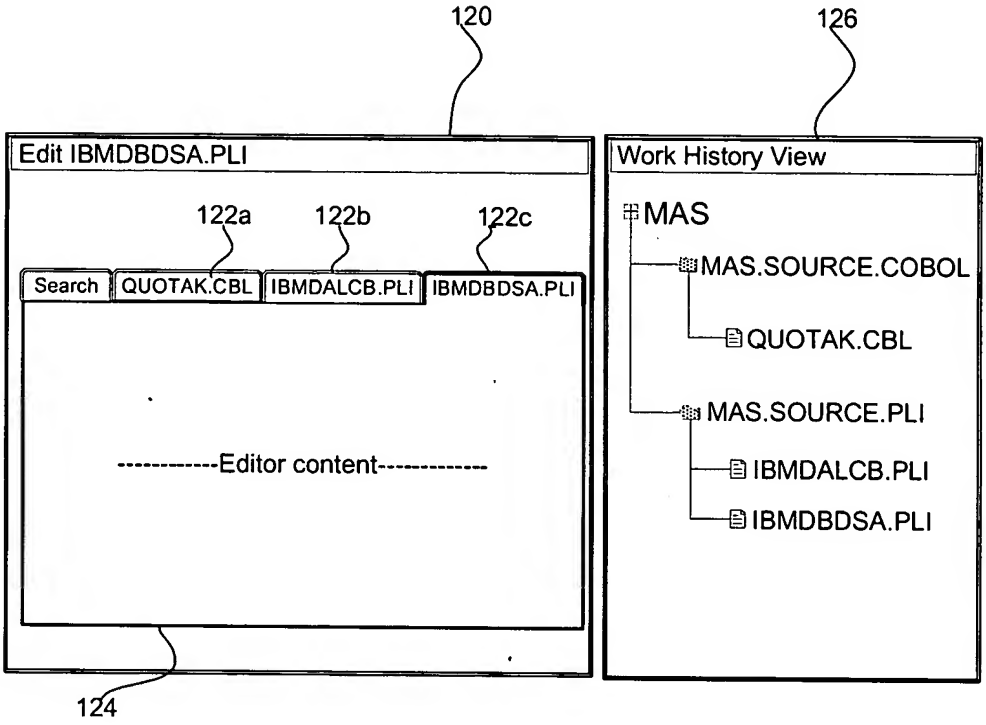

110
116
Search View
Search
QUOTAK.CBL
Search
MAS.SOURCE.PLI
GO
Browse...
112
MAS.SOURCE.PLI
IBMDALCB.PLI
IBMDBDSA.PLI
114
IBMXFSJD.PLI
IBMXIJSD.PLI
IBMXIJSE.PLI
Next >
Work History View
MAS
MAS.SOURCE.COBOL
QUOTAK.CBL
MAS.SOURCE.PLI
IBMDALCB.PLI
IBMDBDSA.PLI

FIG. 8


120
126
Edit IBMDBDSA.PLI
122a
122b
122c
Search
QUOTAK.CBL
IBMDALCB.PLI
IBMDBDSA.PLI
----------Editor content----------
124
Work History View
MAS
MAS.SOURCE.COBOL
QUOTAK.CBL
MAS.SOURCE.PLI
IBMDALCB.PLI
IBMDBDSA.PLI

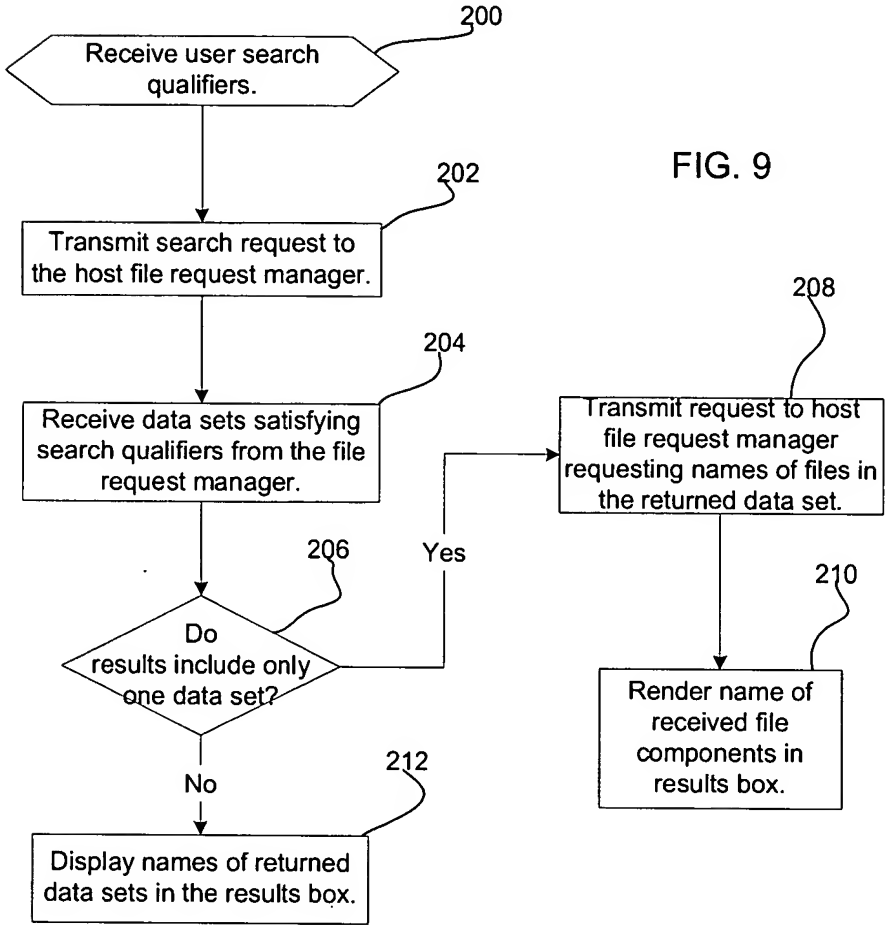

200
Receive user search qualifiers.
202
Transmit search request to the host file request manager.
204
Receive data sets satisfying search qualifiers from the file request manager.
206
Do results include only one data set?
Yes
No
208
Transmit request to host file request manager requesting names of files in the returned data set.
210
Render name of received file components in results box.
212
Display names of returned data sets in the results box.

FIG. 9

FIG. 10

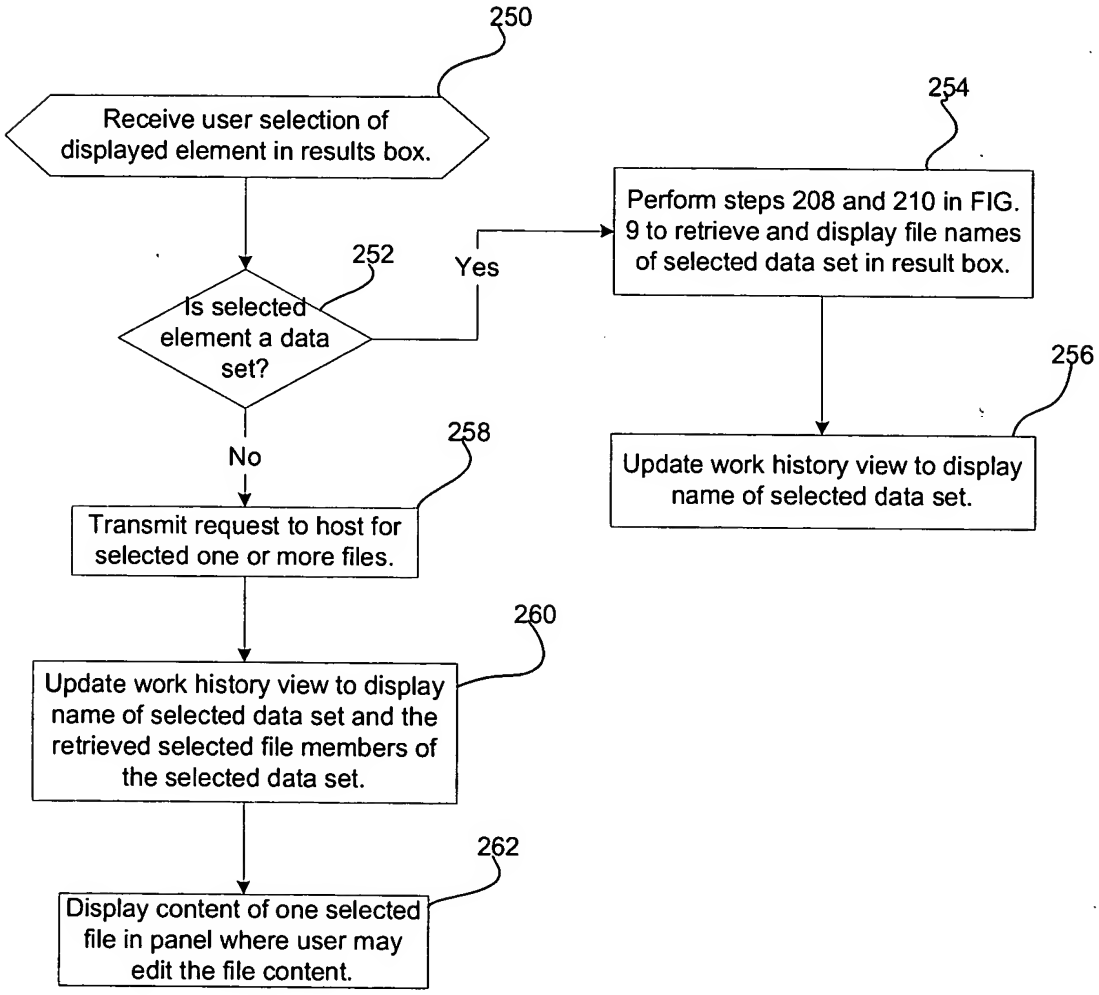
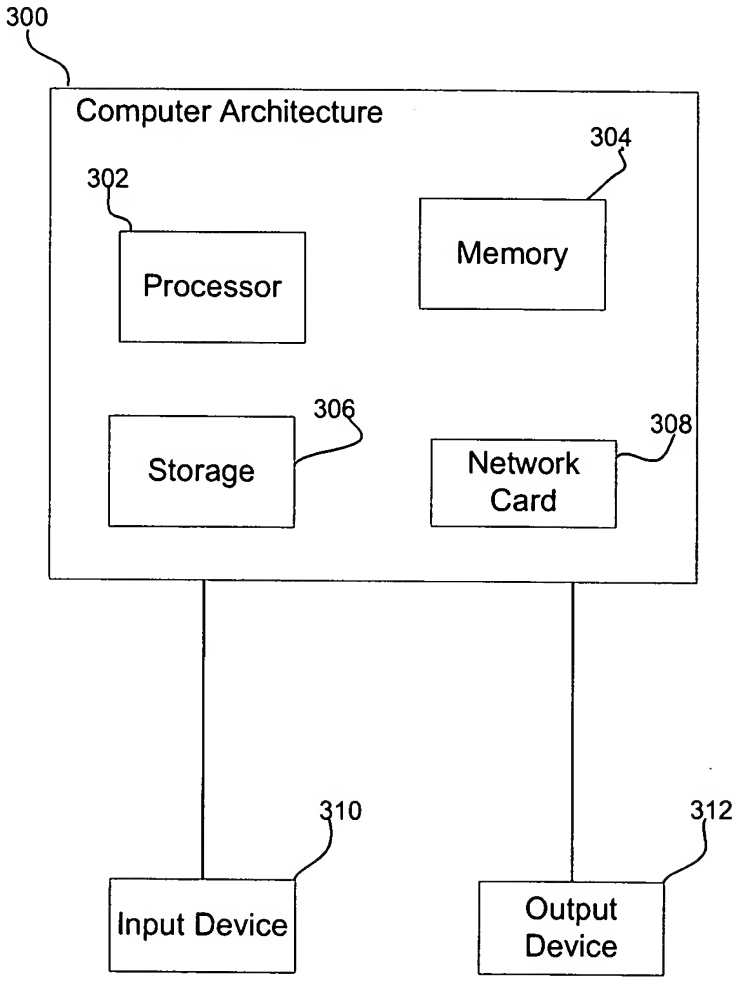

250
Receive user selection of displayed element in results box.
252
Is selected element a data set?
Yes
No
254
Perform steps 208 and 210 in FIG. 9 to retrieve and display file names of selected data set in result box.
256
Update work history view to display name of selected data set.
258
Transmit request to host for selected one or more files.
260
Update work history view to display name of selected data set and the retrieved selected file members of the selected data set.
262
Display content of one selected file in panel where user may edit the file content.

FIG. 11


300
Computer Architecture
302
Processor
304
Memory
306
Storage
308
Network Card
310
Input Device
312
Output Device